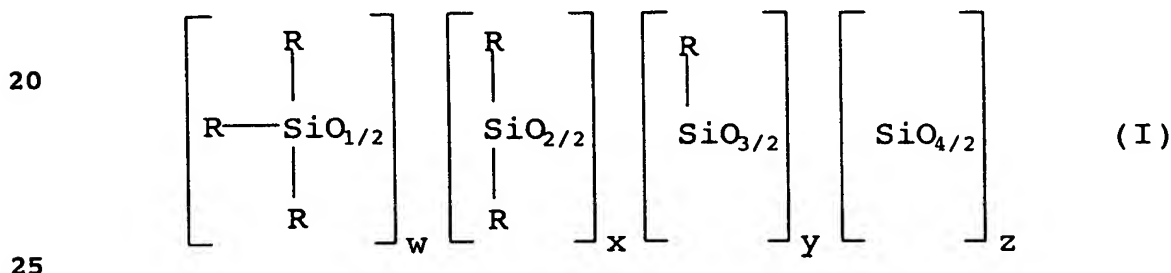


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We claim:

1. An additive mixture consisting of a component A and a component B, where
- i) component A is at least one polysiloxane antifoam and
 - ii) component B is at least one partially or completely neutralized fatty acid, a long-chain carboxylic acid, an ester of such a carboxylic acid or a mixture comprising at least one of these compounds.
2. An additive mixture as claimed in claim 1, which comprises, as component A, at least one polysiloxane of the general formula I



where

the R radicals are each independently an R¹, R², R³, R⁴ or R⁵ radical where

R¹ is an aromatic or saturated aliphatic hydrocarbon radical,

R² is an organic polyol,

R³ is a polyether radical,

R⁴ is a phenol radical,

R⁵ is an R² radical, except that some or all of the hydroxyl groups have been converted to diesters, diethers, acetals and/or ketals,

$w = 2 + y + 2z$,

y and z are each independently a number from 0 to 2 where the sum of y and z corresponds to a number from 0 to 2 and

$w + x + y + z = \text{from } 20 \text{ to } 60$.

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3. An additive mixture as claimed in claim 2, wherein, in component A,
 R^1 is C_1 - C_{24} -alkyl, C_3 - C_{24} -cycloalkyl, C_4 - C_{24} -alkylcycloalkyl, C_6 - C_{10} -aryl or C_7 - C_{18} -arylalkyl,

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R^2 is a saturated or unsaturated, branched or unbranched, aliphatic hydrocarbon radical which is substituted by at least two hydroxyl groups and is optionally interrupted by one or more oxygen atoms,

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R^3 is a polyether radical which contains at least 50% by weight of copolymerized ethylene oxide units and has a molecular weight of up to 1500,

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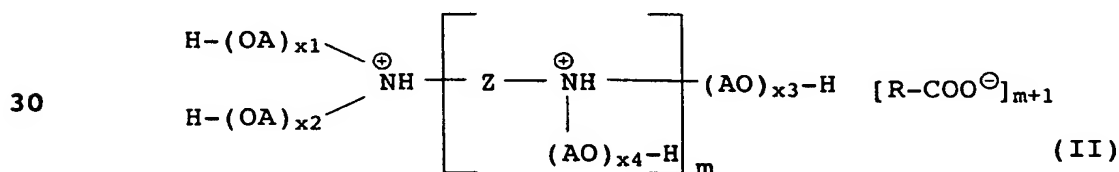
the quotient of the number of R^1 groups to the number of R^2 groups (R^1/R^2) is from 3 to 19 and

the quotient of the sum of the number of R^3 , R^4 and R^5 groups to the number of R^2 groups [$(R^3+R^4+R^5)/R^2$] is from 0 to 2.

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4. An additive mixture as claimed in any of the preceding claims, wherein component B comprises at least one fatty acid neutralized by at least one amine.

- 25 5. An additive mixture as claimed in claim 4, wherein component B comprises at least one fatty acid salt of the formula II



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where

R is C_7 - C_{23} -alkyl or mono- or polyunsaturated C_7 - C_{23} -alkenyl, each of which are optionally substituted by one or more hydroxyl groups;

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A is C_2 - C_8 -alkylene;

Z is C_1 - C_8 -alkylene, C_3 - C_8 -cycloalkylene, C_6 - C_{12} -arylene or C_7 - C_{20} -arylalkylene;

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m is a number from 0 to 5; and

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x^1 , x^2 , x^3 and x^4 are each independently a number from 0 to 24,

5 and optionally at least one further fatty acid RCOOH where R is as defined above.

6. An additive mixture as claimed in any of claims 1 to 3,
wherein component B comprises at least one saturated or
10 unsaturated mono- or polycarboxylic acid having from 4 to 50
carbon atoms or at least one ester of such a carboxylic acid
with a mono- or polyhydric alcohol having from 1 to 20 carbon
atoms and from 1 to 8 hydroxyl groups.

7. An additive mixture as claimed in any of the preceding
15 claims, wherein component A and component B are present in a
weight ratio of from 1:200 to 1:10.

8. The use of an additive mixture as defined in any of the
preceding claims for additizing fuel compositions.

20 9. The use as claimed in claim 8 for improving the antifoam
performance of a fuel composition.

10. The use of at least one partially or completely neutralized
25 fatty acid, a long-chain carboxylic acid, an ester of such a
carboxylic acid or a mixture comprising at least one of these
compounds for improving the antifoam action of a polysiloxane
antifoam in fuel compositions.

30 11. A fuel composition comprising a majority of a hydrocarbon
fuel and an effective amount of an additive mixture as
defined in any of claims 1 to 7.

12. A fuel composition comprising a majority of a hydrocarbon
35 fuel and an effective amount of an additive mixture, which
comprises

- i) as component A, at least one polysiloxane antifoam and
- 40 ii) as component B, at least one fatty acid partially or
completely neutralized by at least one amine,

and optionally at least one further additive.

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13. A fuel composition as claimed in claim 11 or 12 or the use as claimed in any of claims 8 to 10, wherein the fuel is diesel fuel, heating oil or kerosene.

5 14. A fuel composition or the use as claimed in claim 13, wherein the diesel fuel is one obtainable by refining, coal gasification or gas liquefaction, or a mixture thereof with renewable fuels.

10 15. An additive concentrate comprising an additive mixture as defined in any of claims 1 to 7 and at least one diluent.

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